

Stormwater Management

410-887-3768

February 19, 2019

Maryland State Highway Administration
Highway Hydraulics Division
707 North Calvert Street
Baltimore, MD 21202
Attn: Ms. Dana Havlik, P.E., Chief

RE: I-695 Richmond Circle Noise Abatement Project
Stormwater Management Variance
Gunpowder River Watershed
EPS Project I.D. M190004
EPS Tracking Number: 05-19-2933

Dear Ms. Havlik:

This office has reviewed the information submitted and finds that a stormwater management variance can be granted for this project under Section 33-4-113 (a) (2) of Title 4 of the Baltimore County Code. This section of the regulations allows a stormwater management variance to be granted if there are exceptional circumstances such that strict adherence to the provisions of this article would result in unreasonable hardship or practical difficulty and not fulfill the intent of the regulations.

The project proposes to construct a 2,016 LF noise abatement wall adjacent to the Richmond Circle Community. The total disturbed area for construction is approximately 1.65 acres. The proposed noise abatement wall will not create any new impervious or reconstruction areas. As a result, this project is exempt from meeting SWM quality and quantity control requirements.

There are two points of investigation (POIs) associated with this project. Stormwater runoff produced within the area draining to POI 1 flows into an existing riprap ditch that conveys runoff into culverts that cross under Ramp 8 and discharges into the Whitemarsh Run. Stormwater runoff produced within POI 2 is collected and conveyed within an existing storm drain system located along Ramp 8 and is discharged into an existing SWM pond facility (BMP # 030040). This pond ultimately discharges into the Whitemarsh Run.

Due to the grading required for construction of the noise wall, there is a shift in drainage area from POI 1 to POI 2. As a result, there is a 0.69 CFS increase in the amount of runoff that discharges to POI 2 for the 10 year storm event. Based on the SWM report dated November 2018, none of the proposed improvements will have an adverse impact on POI 1 and the post development peak rates of runoff are less than existing conditions. It is anticipated that this increase for POI 2 will not have an adverse impact on any of the downstream drainage systems adjacent to the project site. The SWM report also confirms that the proposed work will not change any existing drainage patterns and that there is adequate stable conveyance at the outfall.

Baltimore County records confirm that there are no known flooding issues within the project limits and as a result, 10 year peak management is hereby waived.

Please contact Kritty Udhin of my staff at 410-887-3768 should you have any questions.

Very truly yours,

/signed/

David V. Lykens, Acting Director
Department of Environmental Protection
& Sustainability

DVL:jcm

c: Kritty Udhin